

MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities
Design & Engineering Services
Highway Design Section

To: File

Date: 8/12/2013

Thru:  Sean Baski P.E.
Project Manager

Project: Takotna: Gold Creek Bridge &
Tatalina Bridge Replacement
BR-000S(783) / 51621

From:  Kristen Keifer P.E.
Project Engineer

Subject: 3R Summary of Report and
Findings

According to Alaska Highway Preconstruction Manual accident records are an integral part of 3R projects and it is necessary to reference the state reporting system to evaluate geometric features for accident performance. On August 12 2013 Darya Hurskaya, Highway Design Intern, looked on the State of Alaska website and found no crash data along Sterling Landing to Ophir Road, CDS route 056000. On Takotna Road (Takotna/Ophir Airfield Rd), CDS route 056500, there was one reported fatality. The head on fatality occurred July 27, 2008. The site is reported at mile post 0.5 in the city of Takotna; approximately 0.5 miles from the bridge site. Kristen Keifer, Project Engineer, reviewed the site and found the same results.

A 3R analysis cannot be performed for the Tatalina Bridge site, because no collision data from 1999 to 2009 is available. The fatality on Takotna Road for the Gold Creek bridge replacement is the only reported crash on the route. A 3R analysis will not be run due to the few reported crashes and the limits of the project do not overlap the reported fatality. However, the design of the project includes replacing bridges and improving lanes and shoulder widths, horizontal curves, vertical curves and stopping sight distance, sideslopes and clear zones, driveways, grades, and safety mitigations with the best engineering practices in mind. The AASHTO Geometric Design of Very Low-Volume Local Roads will be used for the basis of design.